Claim 1, 4-10 and 13-15 remain in the application with claims 1, 10 and 14 being

independent.

Before discussing the references cited by the examiner it is important to briefly

summarize the claimed invention. An earlier PCT application - PCT/GB94/01079 also in

the name of the instant inventor: Morris - is mentioned in the description of the current

application and is also cited by the examiner. The method disclosed in the earlier PCT

patent application is as follows:

A strip of woven fabric is fed into the nip between a

rubberized conveyer belt (20) and a heated roller (26). As the path

of the rubberized conveyer belt is curved around the roller, the

fabric strip is longitudinally compressed forcing the strands which

pass substantially across the width of the strip to draw closer

together. The effect of this pressure and also the heating from the

roller is to impart a semi-permanent "stretch" into the fabric. Then,

in a subsequent second stage, an interlining and/or interlining

combination having an inherent stretch is affixed to the fabric so

that the semi-permanent "stretch" imparted to the fabric during the

first stages is made substantially permanent.

The problem with such a method is that the interlining or interlining combination

must itself have sufficient stretch characteristics to ensure that the woven fabric in the

finished combination is brought back to its original length upon being stretched. Such

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interlining combinations are available but are relatively expensive to produce and may

involve relatively expensive stretch yarns, e.g., lycra yarns.

The method claimed in the current application differs from that in the earlier

Morris PCT application in an important way by passing the interlining through the

machine at the same time as the woven fabric, thereby introducing a compressive

shrinkage into the interlining as well as the woven fabric. The two are bonded together

whilst in their respective compressed states. This has the advantage that the interlining

used in the present invention may be of less stretchable much cheaper material than the

high elastic modulus material in the above mentioned earlier PCT application. The extra

stretch ability is supplied by the compressive shrinking.

Turning now to the references cited by the examiner, the examiner considers that

the most relevant of these appears to be Kobari (JP61-049838). This earlier Japanese

document is not related to the field of waistbands or even in the field of imparting stretch

This earlier Japanese document is concerned with the production of a

composite material having a roughened surface and discloses a method whereby an

adhesive is sprayed onto a cotton woven fabric. A non-woven synthetic fibre fabric is

placed on the cotton woven fabric and is then hot pressed for bonding. The difference in

shrinkage of the woven fabric and synthetic fibre fabric results in an uneven spotted

pattern on the surface of the composite material.

It is important to note that the method disclosed in this earlier Japanese document

relies on the shrinkage of the fibres in order to perform its intended function. In

contradistinction, the method of the current application includes physically compressing

the fabric strip is along its length to urge the fibres across the width of the strip closer

together.

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In order to clarify the distinction between the current invention and the disclosure

of this earlier Japanese document, claim 1 has been amended to recite the application of

pressure both to the fabric and interlining along the length and bonding them together

whilst in this longitudinally compressed state. The pressure in Kobari Japanese document

is applied from above to squash the layers of the composite material together, i.e., the

pressure in the Japanese document is perpendicular to the layers whereas it is along the

layers in the subject invention..

As to obviousness when faced with the problem of providing an inexpensive

waistband having stretch but also having a smooth look, a man skilled in art would be

unlikely to consider Kobari. Firstly, Kobari does not relate to the field of waistbands nor

even to the field of imparting stretch to fabrics. Secondly, this Japanese document

discloses the production of a material having a rough or patterned surface due to the

difference in shrinkage of the base fabric and synthetic fibre fabric. Materials having a

rough pattern are unsuitable as waistbands in tailored garments such as suits. There is

simply no disclosure in this Kobari Japanese document that by applying a longitudinal

pressure to the woven fabric and interlining and bonding them together whilst in this

longitudinally compressed state to obtain a smooth stretchable fabric suitable for use as a

waistband. In fact, Kobari teaches away from this by teaching that composite/synthetic

materials are unsuitable in this application due to the rough and patterned appearance.

The examiner also relies on US Patent 3616150 to Borge in rejecting claim 5

which recites the use of a polyurethane material as a bonding coating or film. The

disclosure of Borge does not make up for the deficiencies in the Kobari Japanese

document. There is no disclosure in this document of the application of longitudinal

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pressure to force the yarn strands across the width of the fabric close together and

simultaneous longitudinal compression of interlining.

The examiner also relies on US Patent 4819458 to Kavesh which discloses the use

of tensioning of the woven fabric layer during processing. It is not denied that such

tensioning is known in this field. However, it is submitted that this patent is not relevant

to the claimed compression of the synthetic interlining simultaneous with the woven

fabric strip. While Kavesh discloses tensioning of materials, there is simply no disclosure

in this document of simultaneous longitudinal compression of woven fabric strip and

synthetic interlining or any advantage that would follow from such.

The examiner also relies on Kavesh in combination with Kobari. Again, it is

submitted that a man skilled in the art would not consider Kobari at all since Kobari

teaches the production of a composite material having an uneven effect which is exactly

the opposite of the smooth tailored effect achieved by the method of the current

application. However, even if one were to consider Kobari there is simply no teaching in

this document of applying a longitudinal compression to both the woven material and

interlining to obtain a smooth and inexpensive composite material for use as a waistband.

In fact, Kavesh appears to teach away from this by teaching that composite, cotton and

synthetic layers are unsuitable for use in waistbands.

The examiner also relies on UK patent no. 2307167 to Dagg which discloses the

bonding of a strip in an expanded state to a garment or part, then allowing the assembly to

cool, allowing the strip to shrink compressing the garment or part. Dagg does not

disclose longitudinal compression of both woven fabric and interlining. In fact, Dagg

appears to disclose the inverse-expansion of the interlining and attachment to an

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unexpanded woven fabric layer. It is submitted that the disclosure of Dagg is not relevant

to the current invention.

Finally, the examiner relies upon W094/28227 in the name of Morris. The

drawback of the method disclosed in this earlier Morris document is that one must use a

relatively expensive interlining such as a lycra type material. With the method of current

application which involves the extra simultaneous interlining compression step one can

use a relatively inexpensive interlining. Applicant respectfully submits that the teachings

of Morris and Kobari can not be combined to produce the claimed invention. Kobari

teaches that when one attempts to compress a composite material comprising cotton

woven fabric and synthetic fibre one obtains a spotted uneven pattern. Accordingly, the

skilled man, when starting from Morris and considering the problem of how to reduce the

expensive interlining with a less expensive option, would be unlikely to consider the

teachings of Kobari regarding compression of the interlining as the speckled pattern is

exactly what the skilled man is attempting to avoid. There is simply no teaching in

Kobari that by applying a longitudinal compression to the woven fabric and interlining

one can obtain a smooth waistband which does not require an expensive interlining. The

combination of Morris and Kobari teaches away from this current invention.

Finally, the examiner relies upon US Patent 4141082 to Nakazawa. This patent

does not disclose the simultaneous compression of the woven fabric and interlining or any

advantage that would follow therefrom. Again, the combination of this document and

Kobari would teach away from the current invention since Kobari teaches that

simultaneous compression results in an uneven pattern.

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It is respectfully submitted that the Application, as amended, is now in condition for allowance, which allowance is respectfully solicited.

Respectfully submitted

HOWARD & HOWARD ATTORNEYS, P.C.

March 15, 2005

Date

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## **CERTIFICATE OF MAILING**

I hereby certify that this Amendment and Request for Continued Examination (RCE) for Serial No. 10/031,980 is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to MAILSTOP: RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on March 15 2005.

Anne L. Kuhit

HWM/alk

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